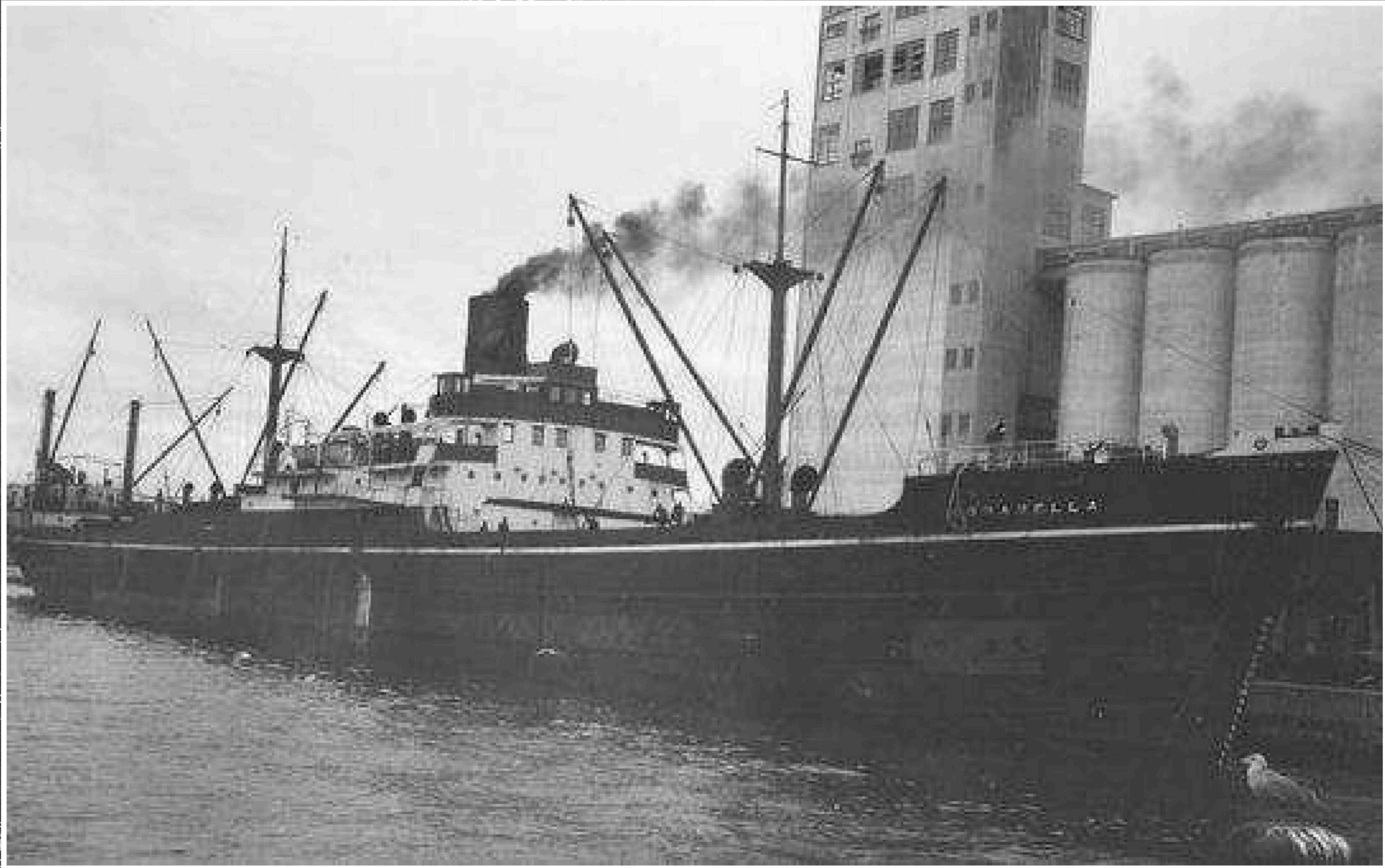
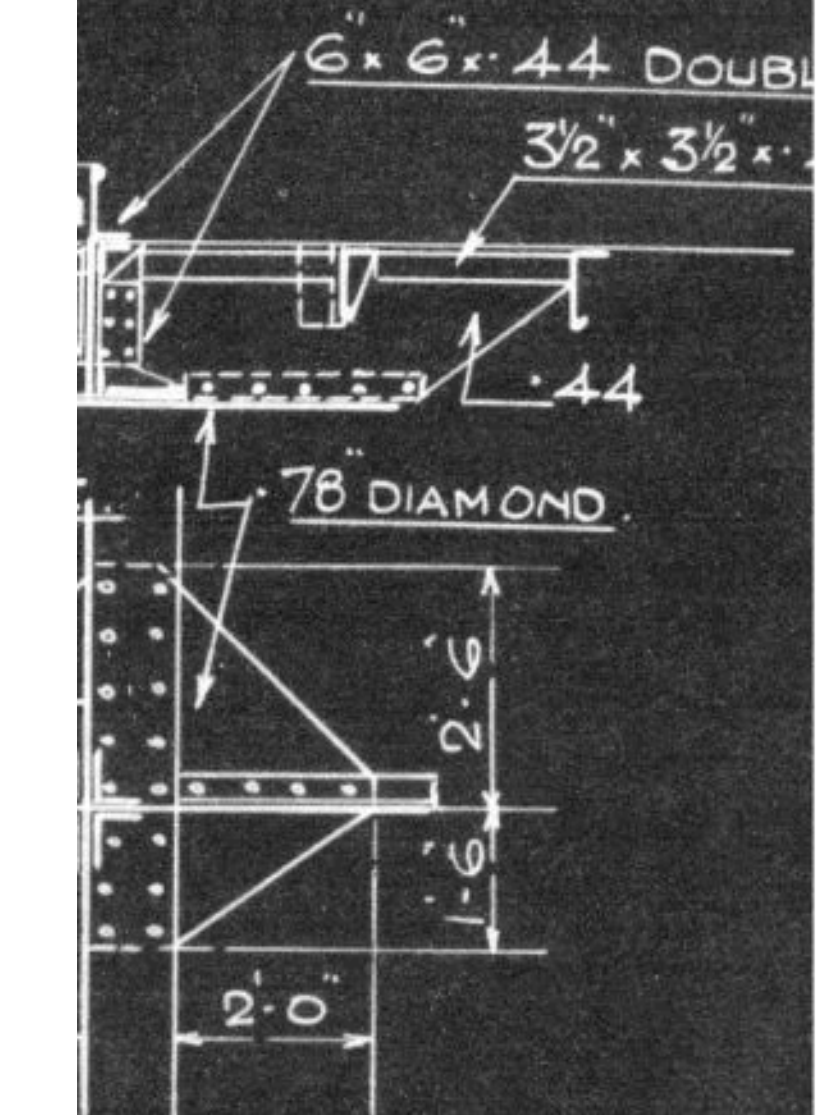


# S. S. CORABELLA PROFILE.

ARRANGEMENT OF C.L. BULKHEAD.  
AT HATCH ENDS.



UNDER BRIDGE  
BRACKETS AND  
ENDS.



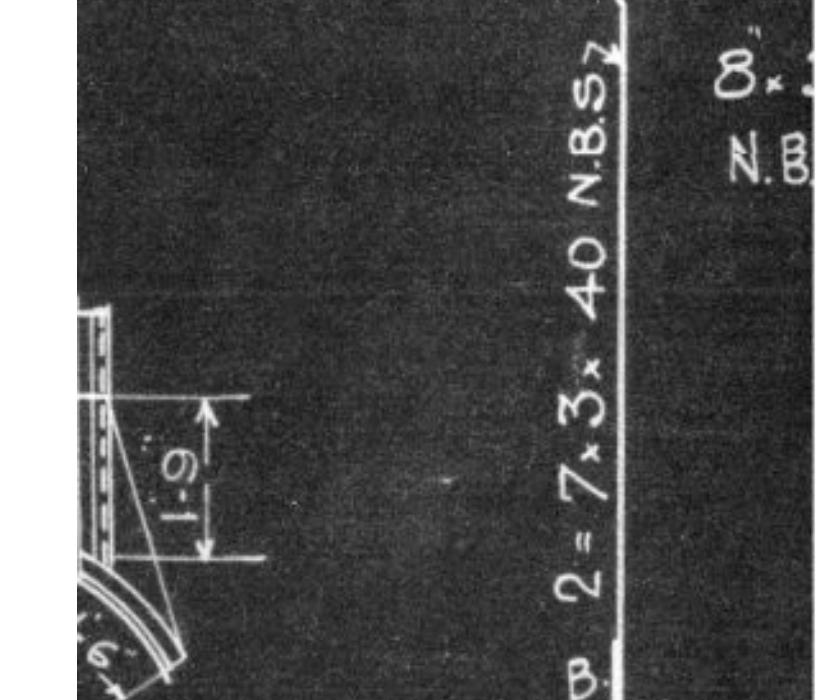
SPACES APART, 3' 40"  
WELDED TO EDGE.

PROFILE.

BEAM LUGS.

STEEL COVER

60 B.A. FACE BAR.  
2' 44" FLANGED.  
RIVS.



ING. 32 AT 30" SPACING.

39 30

WITH BACK BAR OVER CROWN AT HATCH ENDS.  
2' 50"

WATER

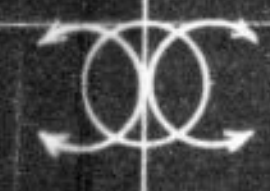
BALLAST.

WATER BALLAST.

DRY TANK.

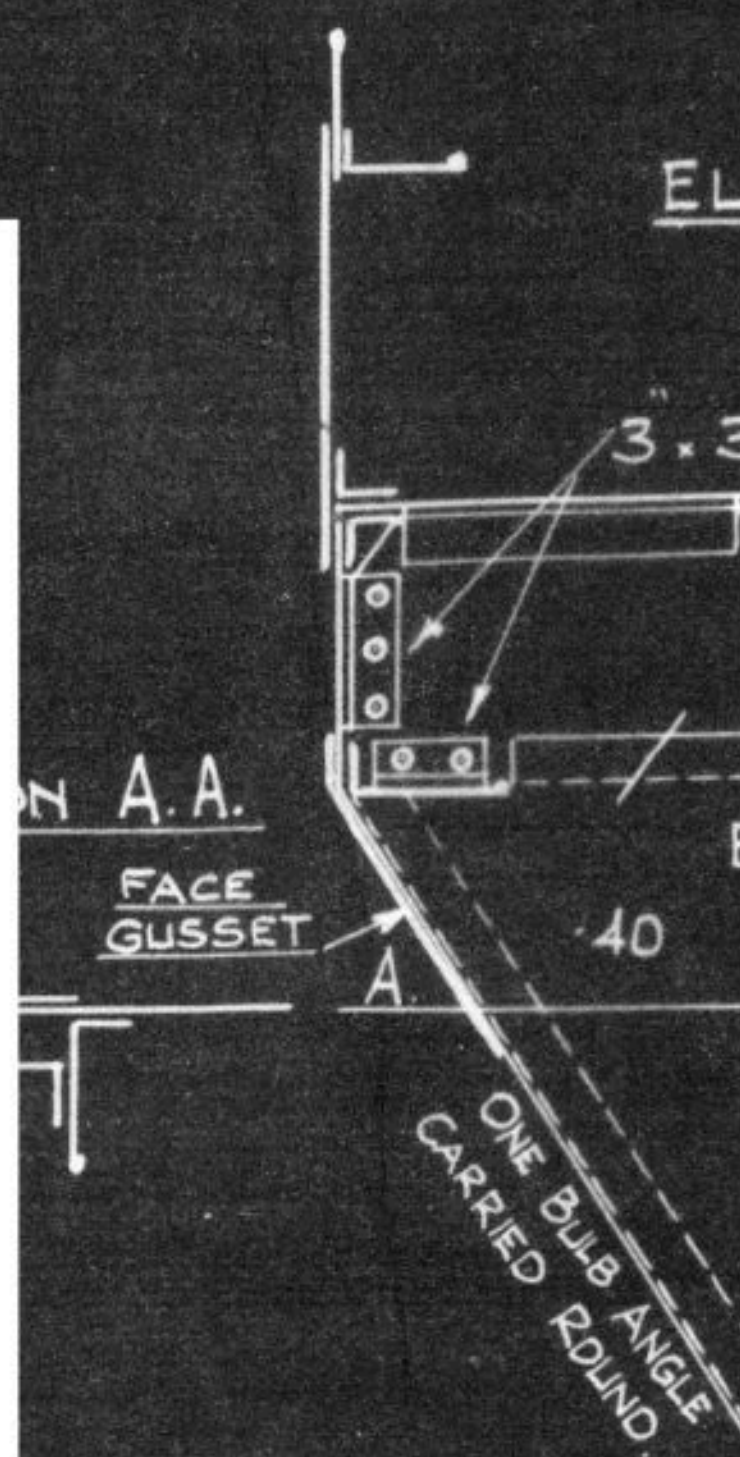
WATER BALLAST.

CENTRE DIVISION.



15' 4" x 4" x 50 W. 62 FL. CHANNELS

MAIN FRAMES 15' 4" x 4" x 50 W. 62 FL. CHANNELS.



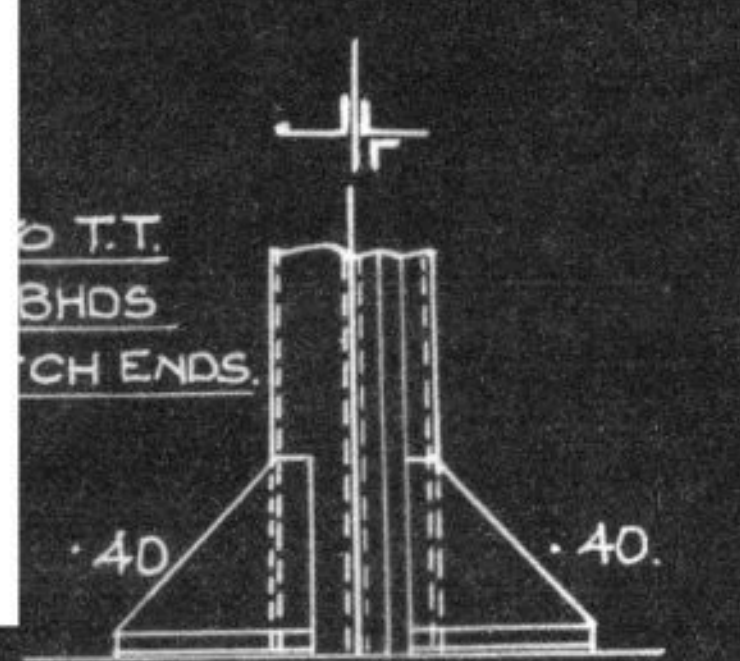
SECTION X.X.  
D. PLATING  
HIGH 3"  
6' 3" x 30"  
OR SHIFTING BOARDS.

UPPER DECK.  
FORE END  
STEEL COVER.

SPACES APART, 3' 40"  
WELDED TO EDGE  
6 BAR.  
LT. BEAMS  
BEAM LUGS.

STEEL COVER.

60 B.A. FACE BAR.  
2' 44" FLANGED.  
RIVS.





S.S. "CORABELLA".  
J. L. Thompson & Sons' 581,

PROFILE  
As Built.

UNDER 1000 32182

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# S. S. CORABELLA PROFILE.

400' 0" B.P. x 57' 4 1/2" BTH MLR x 31' 7" D.M.D. TO U.D.K.

CLASS 100 A.I. LLOYDS.

SCALE = 1/8" = 1 FOOT.

ARRANGEMENT OF CL BULKHEAD  
AT HATCH ENDS.

SECTION

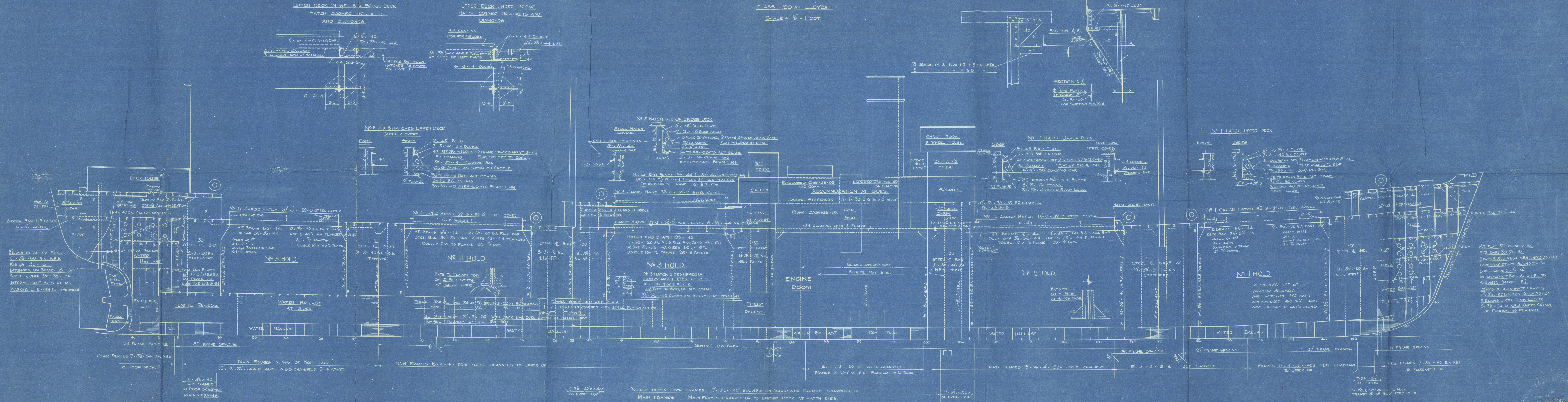
ELEVATION

SECTION A.A.

SECTION X.X.

CL. BHD. PLATING  
THROUGH 3"  
3.3" x 30"  
FOR SHIFTING BOARDS.

7" BRACKETS AT NOS 1, 2 & 3 HATCHES  
16" x 4" x 8"





S.S. "CORABELLA"

J.L. Thompson & Sons' 581.

DECKS

As Built

UNDER 32182

REMA



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## DECK PLANS.



S.S. "CORABELLA".  
J. L. Thompson & Sons' 581,  
MIDSHIP SECTION  
AS BUILT,

32182

RETURN



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# S. S. CORABELLA

## MIDSHIP SECTION.

### PRINCIPAL DIMENSIONS.

LENGTH B.P.	400'-0"
BREADTH EXTREME	57'-8"
" MOULDED	57'-4 1/2"
DEPTH MLD. UPPER DECK	31'-7"
" TO LENGTH U.D.K.	12'-67"
" " " BOGE DK	10'-23"

SINGLE DECK WITH POOP BRIDGE & FORECASTLE.

LLOYD'S 100A1 CLASS.

ERECTIONS 47-31% L.

SCALE = 1/2" = 1 FOOT.

### NUMERALS.

L x D = 400 x 31.58 =	12632
L (B + D) = 400 (57.37 + 31.58) =	35580

### EQUIPMENT NUMERALS.

400 (57.37 + 31.58)	35580
POOP 35.25 x 7.5 x .75	198
BRIDGE 121.5 x 7.5 x .75	683
FGLE 30.25 x 7.5 x .75	170
CASING 70.0 x 7.75 x .5	271
	36902

EFFICIENT SCARPING OF DIFFERENT THICKNESSES TO BE SECURED BY CAREFUL ARRANGEMENT OF DECK BUTTS.

NO CARGO BATTENS IN TWIN BUNKER SPACE ABREAST ENGINE & BOILER ROOM, BUT FRAMES TO BE PUNCHED.

BRIDGE SIDES .60' QUAD. RIV. END LAPS SINGLE RIV. SEAMS POOP .38' & END LAPS FGLE .41'

SHEERSTRAKE 7/8 AMIDSHIPS x .80 TO .45 AT ENDS. QUAD RIV. END LAPS 1/2 L. TREBLE AT ENDS. .61 IN WAY OF BRIDGE WITH TREBLE RIV. END LAPS.

STRAKE BELOW SHEERSTRAKE. 8/4 AMIDSHIPS x .68 TO .45 AT ENDS. QUAD RIV. END LAPS 1/2 L. TREBLE AT ENDS. .64 IN WAY OF BRIDGE WITH TREBLE RIV. END LAPS.

SIDE SHELL FOR A DISTANCE OF 10% L AFT OF RULE POSITION OF COLLISION BULKHEAD = 25% ABOVE END THICKNESS.

SIDE SHELL MIDSHIP THICKNESS FORWARD OF COLLISION BULKHEAD FROM BELOW LIGHT LINE TO ABOVE. LOAD LINE (PER OWNERS)

SIDE SHELL .61 TO .45' .01 IN WAY OF 30 SPACING = .62 TO .45' .45 IN PEAKS TREBLE RIV. END LAPS

BRIDGE STRINGER 5 1/2" x .50

.61 IN WAY OF HATCHES

QUAD RIV. OVERLAP BUTTS AT .61 PLATING.

FGLE & POOP STR. 35" x .35 SINGLE RIV. END LAPS.

BRIDGE STR. BARS 5" x 5" x .50

FGLE & POOP STR. BARS 3 1/2" x 3 1/2" x .35

CARGO BATTENS 6" x 2" 9' APART

BRIDGE FRAMES 7" x 3 1/2" x .42 B.A. N.B.S.

ON ALTERNATE FRAMES

15 MAIN FRAMES CARRIED TO BRIDGE DECK

ON AFTER MAIN HATCH ENDS

PARTIAL B.H.DS. OVER B.H.DS. 82 & 100

34 WITH 3 FL. 3" x 3" x .34 TO DECK

7/8" DRAIN HOLE IN EACH FRAME

WELDED PLATE COLLAR AT EACH FRAME

BEAM KNEES 42" x 42" FLANGED

9 RIVETS 7/8" DIA TO BEAM

10" x 7/8" x .35 FRAMES

CARGO BATTENS 6" x 2" 9' APART

MAIN FRAMES 5" x 4" x .50 W. .62 FL. .56 W. .62 FL. IN BOILER ROOM & PERMANENT BUNKERS.

SPACED 30' APART. 27' FORWARD OF 3/5 L.

12" x 3 1/2" x .44 W. .60 FL. IN WAY OF DEEP TANK IN AFTER HOLD 30' APART

17" x 4" x .48 W. .68 FL. FOR 10% AFT OF RULE POSITION OF COLLISION B.H.D.

5" x 4" x .54 W. .62 FL. FROM 1/2 L. FORT. TO 10% L. AFT OF RULE POSITION OF COLLISION B.H.D.

FORE PEAK FRAMES 7" x 3 1/2" x .50 B.A. N.B.S. 21' APART.

AFTER 7" x 3 1/2" x .54 B.A. N.B.S. 24' APART.

RIVETS IN SIDE FRAMES TO SHELL 6 1/2" DIA. APART.

5 1/2" DIA. APART IN WAY OF PANTING FRAMES & IN PEAK TANKS.

WEB FRAME ON FRAME 93

30" x 44" 6" x 3 1/2" x .50 FACE BAR 3 1/2" x 3 1/2" x .48 SHELL BAR

TRIPPING BRACKET AT HALF HEIGHT

MARGIN PLATE 70" x 48" .56 B.S. TREBLE RIV. END LAPS.

MARGIN WELDED TO SHELL & FRAMES.

SPOT WELD

FILLING PIECE IN WAY OF FRAMES

FLANGE CONTINUOUS THROUGH TANK TOP

DOUBLE WOOD CEILING ON TANK TOP

3 RED WOOD & 1/2" WHITE WOOD

SINGLE RIVETED SEAMS IN TANK TOP

PROPPELLER BOSS PLATES .71

BILGE KEEL 6" x 4" x .50 T.BAR

BULB PLATE 12" x .45

FRAMES BUTTS CLOSED UP TO 1/2" DIAMETERS

38" x 48 B.S.

16" x 12"

24" x 17"

30" x 18"

30" x 18"

30" x 18"

30" x 18"

30" x 18"

30" x 18"

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30" x 18"

30" x 18"

30" x 18"

30" x 18"

30" x 18"

TANK TOP .43 TO .38 .50 E.S. .86 B.S. + 10' PER OWNERS .66

FLOORS .38, .48 B.S. WITH STIFFENERS 3" x 3" x .38 .48 B.S.

FLOORS EVERY FRAME UNDER ENGINES BOILER BEARERS BULKHEADS

AND FORWARD OF 3/4 LENGTH PARTIAL FLOORS UNDER THRUST

FLOORS ON ALTERNATE FRAMES ELSEWHERE WITH INTERMEDIATE BRACKET FLOORS

INTERCOSTAL GIRDERS EACH SIDE .36 .40 E.S. .50 B.S.

GIRDER VERTICALS 3" x 3" x .38 .48 B.S.

GIRDER CORNS TO SHELL 3 1/2" x 3 1/2" x .42

T. TOP 3" x 3" x .42 IN HOLDS 3 1/2" x 3 1/2" x .62 IN B.S. 5" x 5" x .42 UNDER ENGINES & THRUST

ADDITIONAL GIRDERS UNDER ENGINES AND FORWARD OF 1/2 L AS PER SEC II.

FRAMES 3 1/2" x 3 1/2" x .42 REVERSE FRAMES 3" x 3" x .42 .52 B.S.

W.T. FLOORS .48 .50 B.S. WITH STIFFS 5" x 3" x .34 SPACED 2'6" APART .44 B.S.

SINGLE ANGLE ON FLOORS TO T.T. UNDER ENGINES & THRUST 5" x 5" x .42

UNDER BOILER BEARERS 5" x 5" x .52

TANK TOP CENTRE STRAKE 54" x 20 1/2" x .42 .56 B.S. + 10' PER OWNERS .66

TREBLE RIV. END LAPS FOR 1/2 L. DOUBLE AT ENDS

STIFFENERS WELDED TO TANK TOP

9 RIVETS 3/4" DIA TO FLOORS

8" x 7/8" x .35 TO C.G. WHERE OVER .50

KEEL 49 1/2" x 79' FOR 3/5 L TO .69 AT ENDS

END LAPS QUAD RIV. TREBLE AT ENDS

1 RIVETS IN END LAPS ABOVE 7/8" AT ENDS

7/8 RIVETS IN SEAMS AND FRAMES

FLANGE CONTINUOUS THRO TANK TOP

40" x 50 B.S.

16" x 12"

4" x 6"

4" x 6"

4" x 6"

4" x 6"

4" x 6"

4" x 6"

4" x 6"

4" x 6"

4" x 6"

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4" x 6"

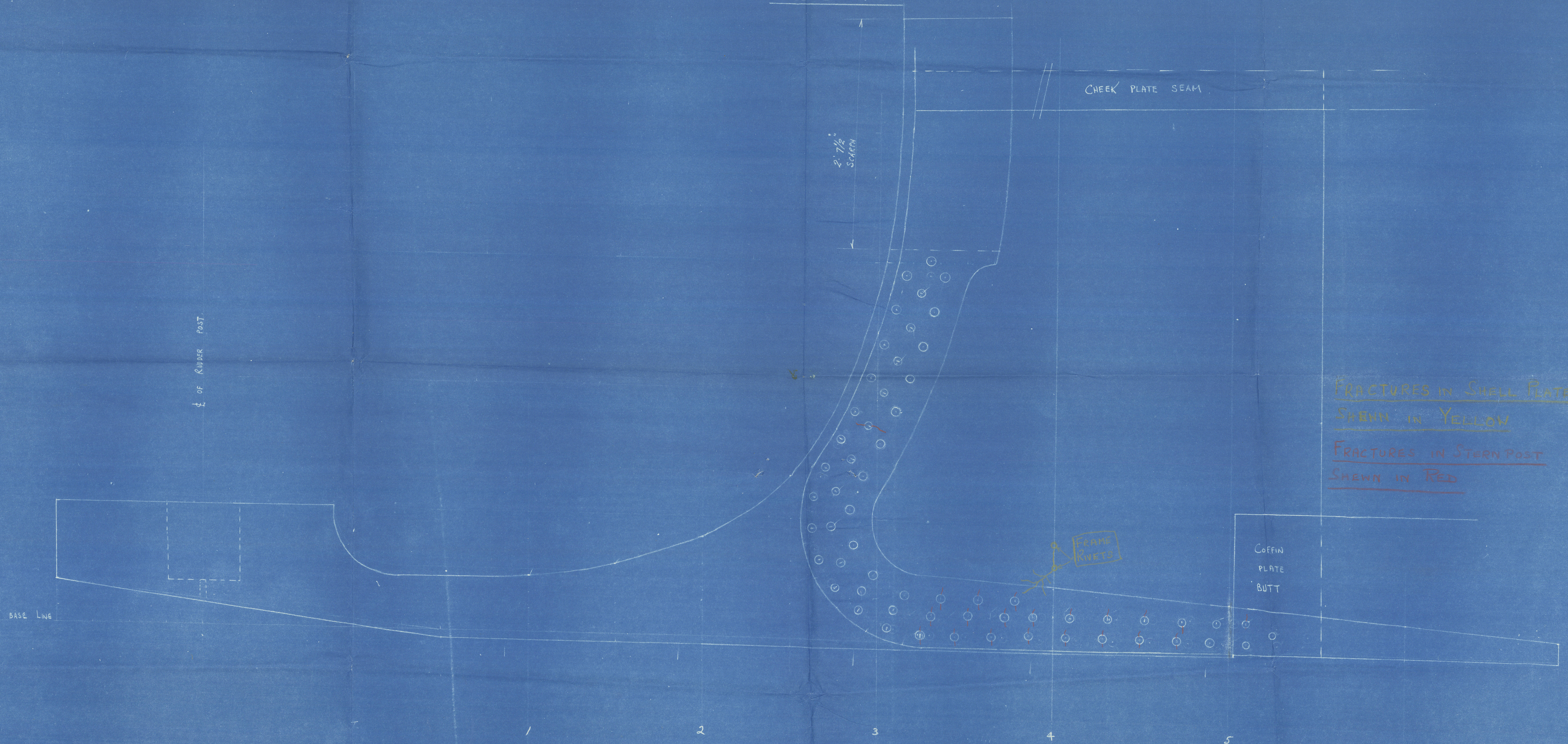


S.S. "CORABELLA"

AFTER END

STAR 90

SCALE 2" = 1'-0"





S.S. "CORABELLA"

AFTER END

PORT

SCALE 2" = 1'-0"

2'-7 1/2"  
SCARP

CHEEK PLATE SEAM

FRACTURE IN SHELL  
PLATE SHOWN IN YELLOW  
FRACTURES IN STERNPOST  
SHOWN IN RED

COFFIN  
PLATE  
BUTT

1/2 OF RUDDER POST

BASE LINE



sp Corabella

G. Clark Ld

Contract N<sup>o</sup> 1206

---

Main Boilers

---

Copy of drawing approved  
for Cont. 1204 24/4/36.

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SONDERLAND RPT. NO 32182

SS. "CORABELLA"







G. CLARK (1936) L<sup>d</sup>

Cont N<sup>o</sup> 1206

—  
Brandschaft  
—

SUNDERLAND RPT. NO. 32182

ss. "CORABELLA"

RETAIN

W1168-0218 1/2



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Foundation



Enclosure from

GEORGE CLARK (1936) LTD.

For

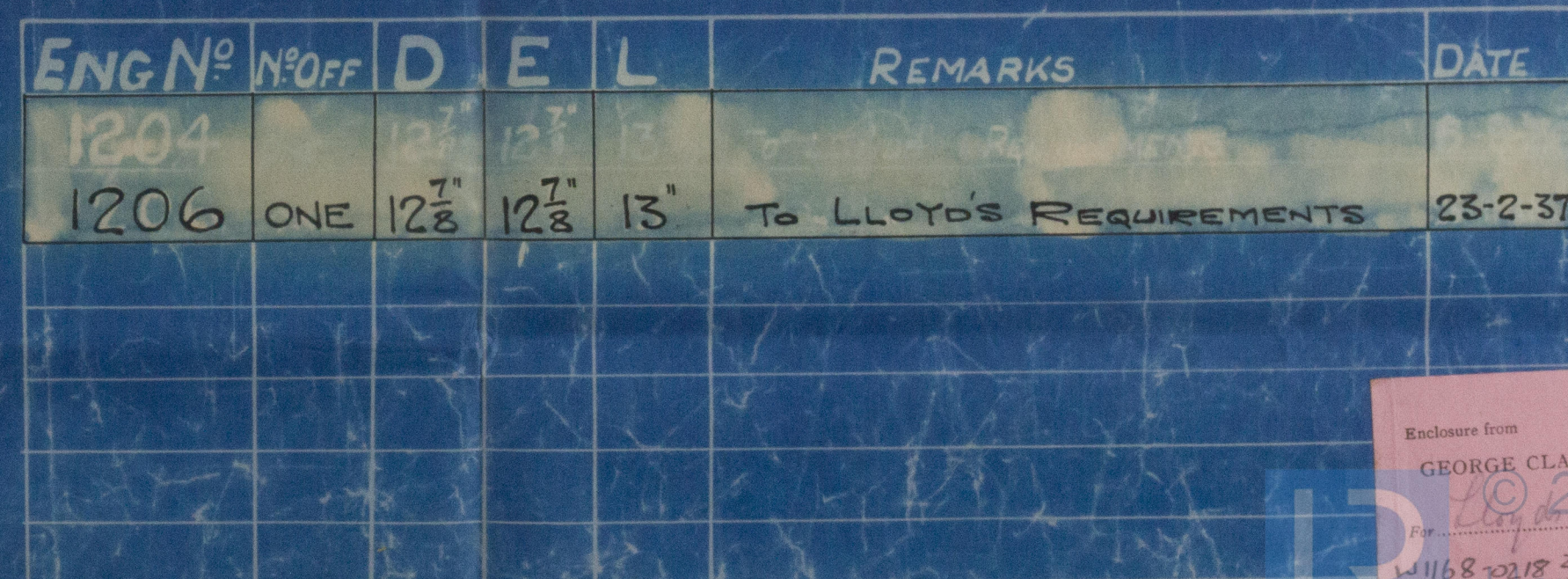
W1168-0218  $\frac{2}{2}$

land



DETAIL OF STEEL KEY PINS  
IN SHAFT & CRANK PINS  
FULL SIZE

## CRANK SHAFT

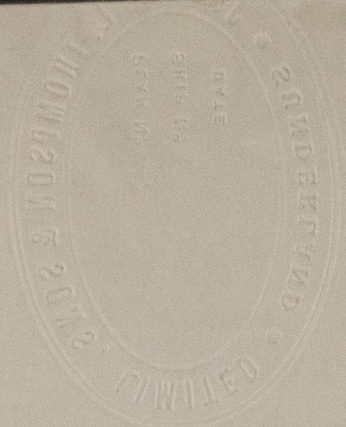


Enclosure from  
GEORGE CLARK (1936) LTD.

For.....

W1168-0218  $2\frac{1}{2}$





SUNDERLAND.

Messrs. J. L. Thompson & Sons'

No. 581

Balanced Rudder.



SUNDERLAND RPT. NO. 32182

SS. "CORABELLA"

RETAIN



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26.1.37

S.S. N<sup>o</sup> 581.

# FORGED STEEL BALANCED RUDDER

TO

LLOYDS REQUIREMENTS.

FOR DESIGNED SPEED OF 10½ KNOTS.

SCALE ½" = 1 FOOT.

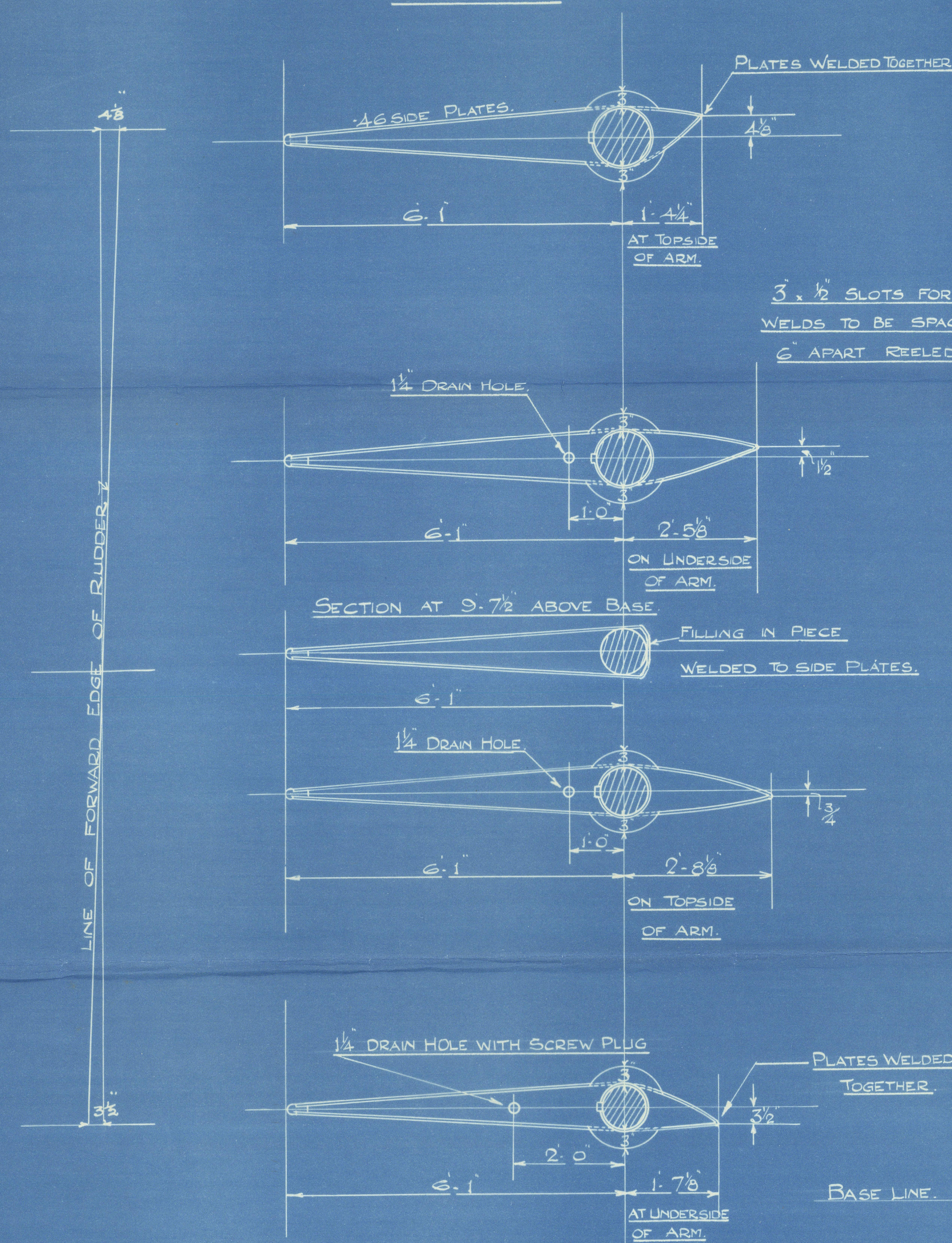
AREA = (17.81 × 6.08) = 108.28 sq

C.G. ABAFT  $\phi$  OF RUDDER POST = 3.04

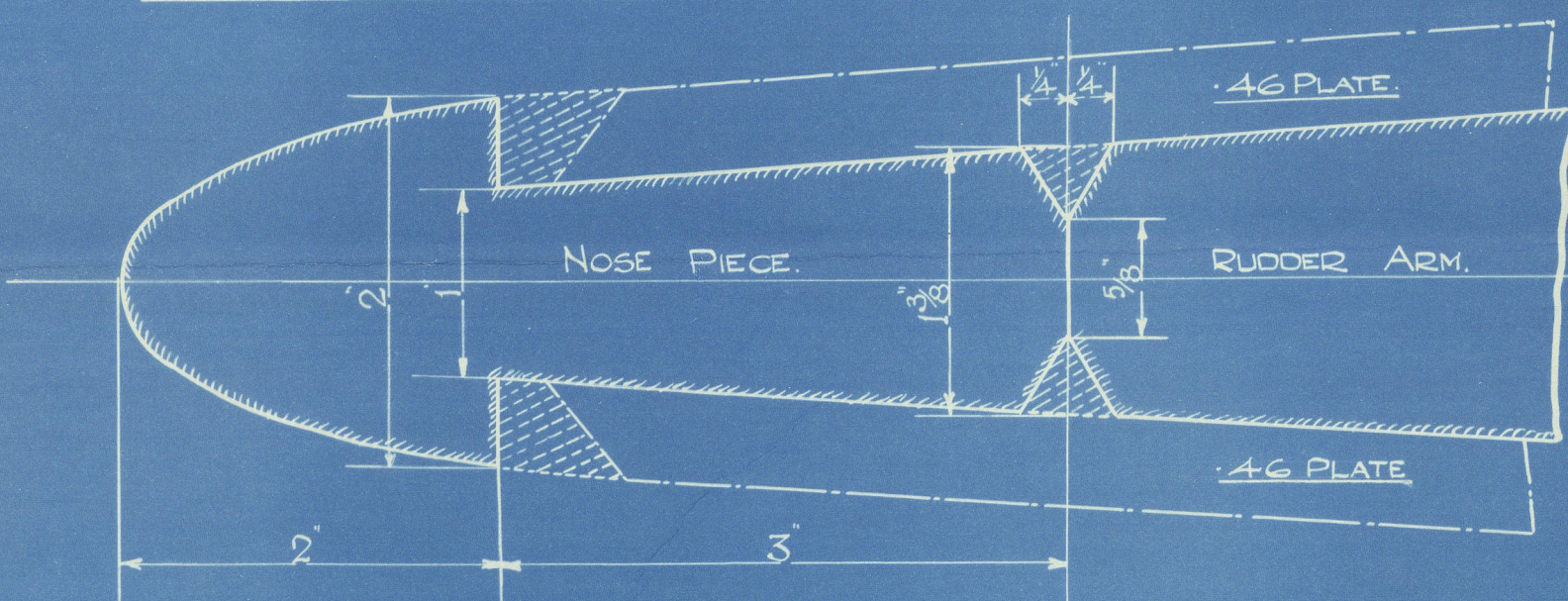
$\therefore$  NUMERAL = 329.

PLAN OF ARMS.

FULL SIZE SECTIONS  
TO BE SENT.



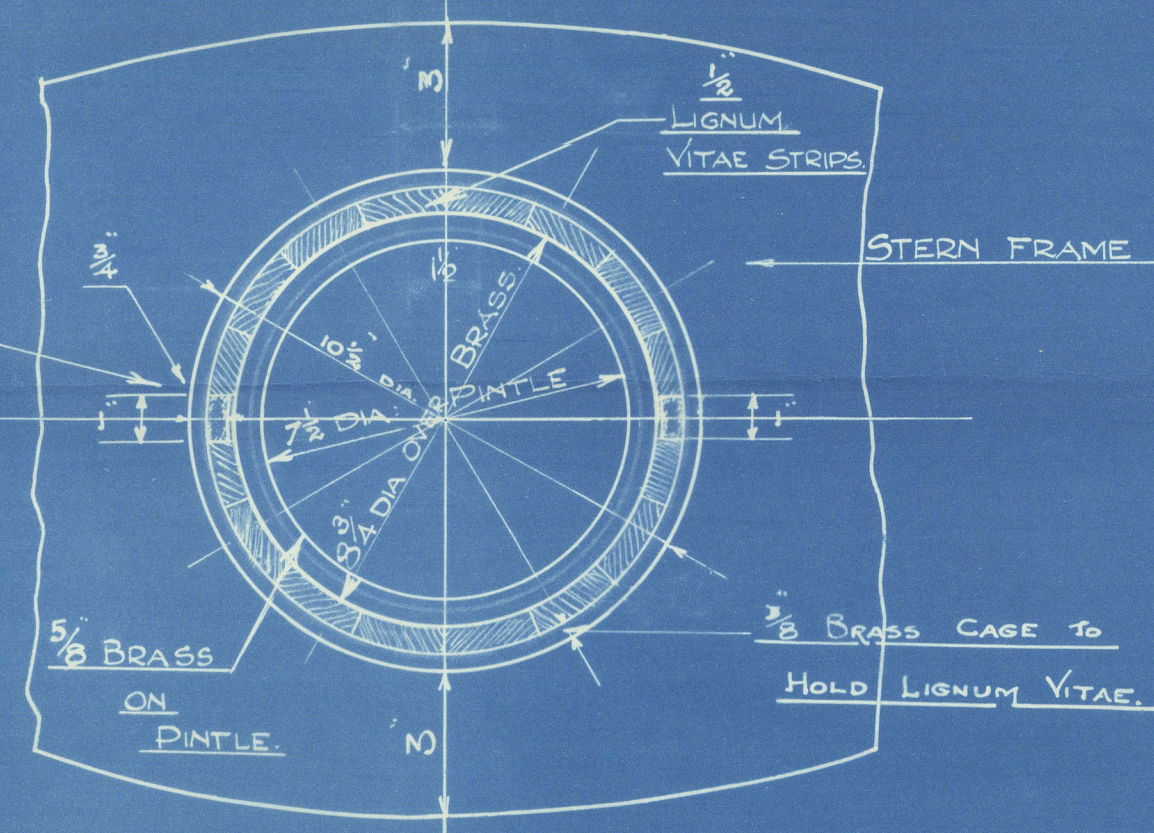
SECTION OF NOSE PIECE & END OF RUDDER ARMS.



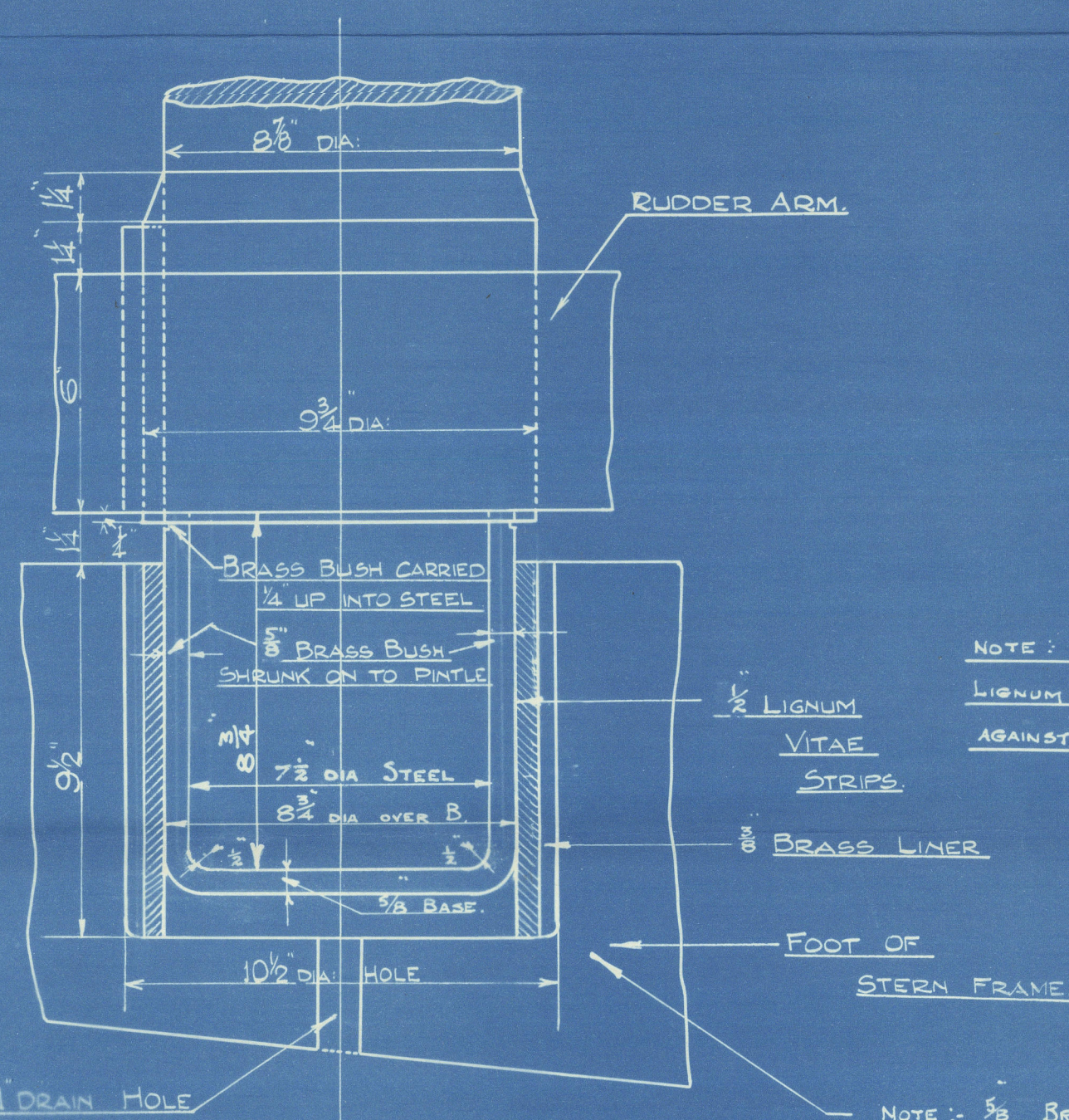
END OF ARMS & NOSE PIECE CHAMFERED & WELDED TOGETHER.

POST TURNED DOWN TO FORM 7/8" DIA PINTLE WITH 3/8" BRASS BUSH .83" DIA OVER BRASS.

BRASS 1" x 3/8" TO BE TAPPED TO BUSH TO PREVENT LIGNUM VITAE FROM TURNING.

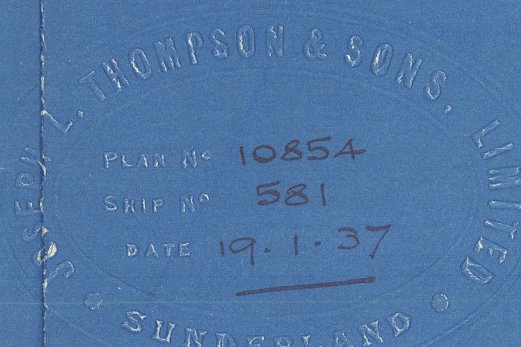


SECTIONAL ELEVATION  
OF  
BOTTOM OF POST.



NOTE: END GRAIN OF LIGNUM VITAE TO BEAR AGAINST PINTLE.

NOTE: 3/8" BRASS BUSH TO BE SHRUNK ON TO PINTLE. 4 STUDS OF BRASS 1" DIA TO BE TAPPED 1/2" INTO BOTTOM OF PINTLE.



26.1.37



SUNDERLAND.

308

G  
J. L. Thompson & Sons, Ltd.,

"CORABELLA"

no. ~~571~~ 581

Stern Frame & Balanced



/ Rudder.

RETAIN (3)



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Lloyd's Register  
W11 08 - 02 20  
Foundation



S. S. No 577.

# FORGED STEEL BALANCED RUDDER.

LLOYDS REQUIREMENTS.

FOR DESIGNED SPEED OF 10.5 KNOTS.

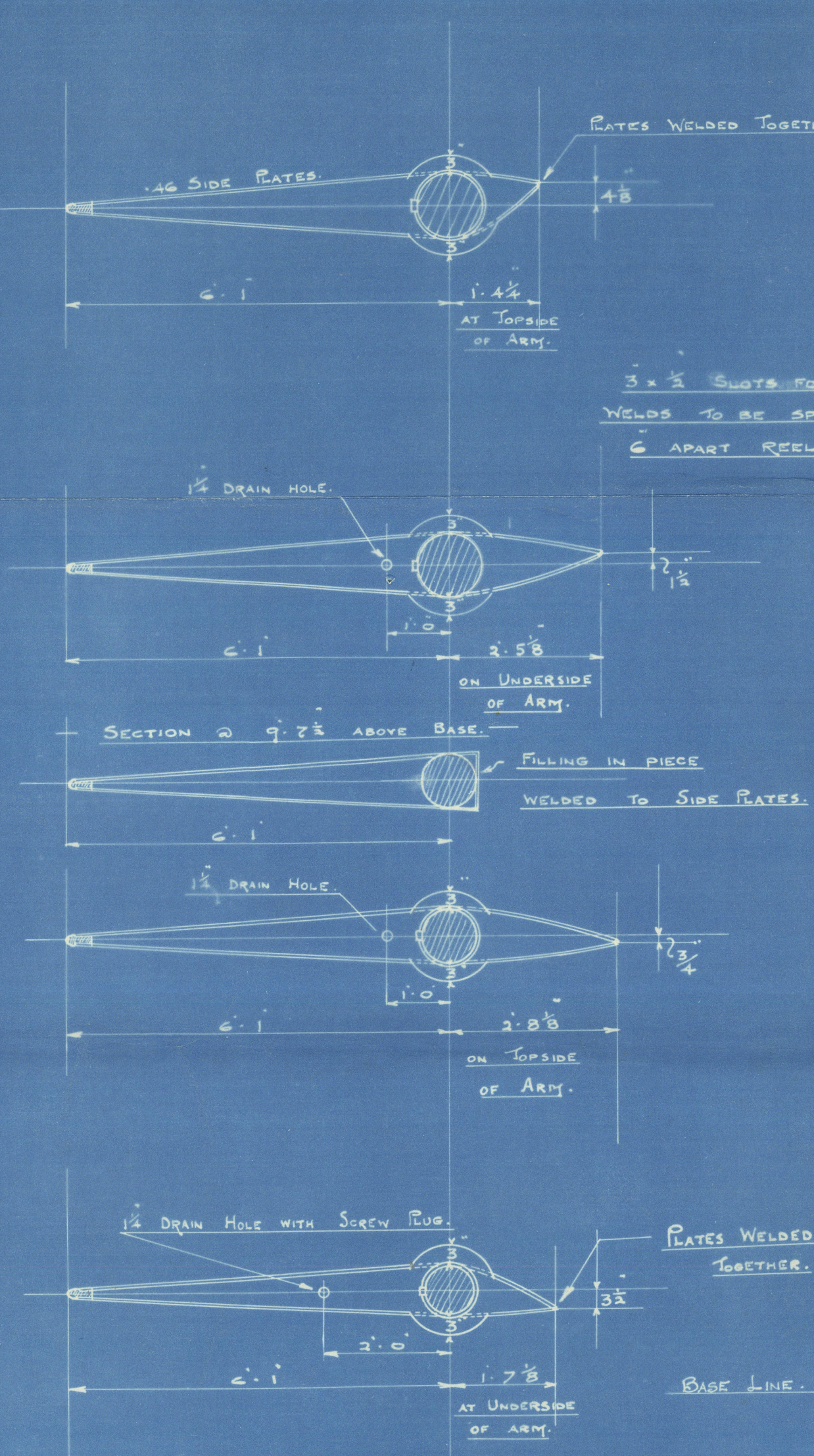
SCALE 1/4" = 1 FOOT.

AREA (17.81 x 6.08) = 108.38 sq.

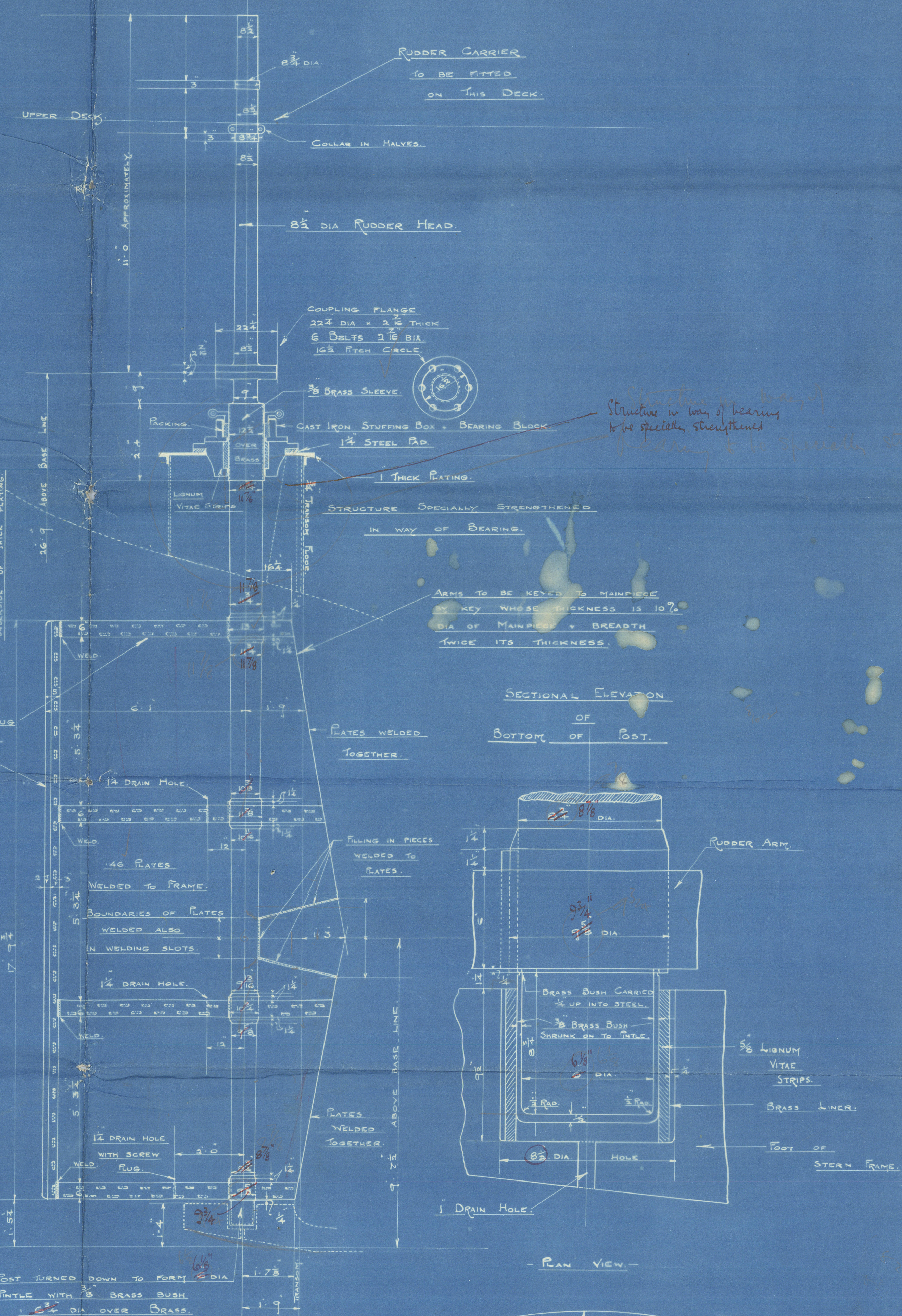
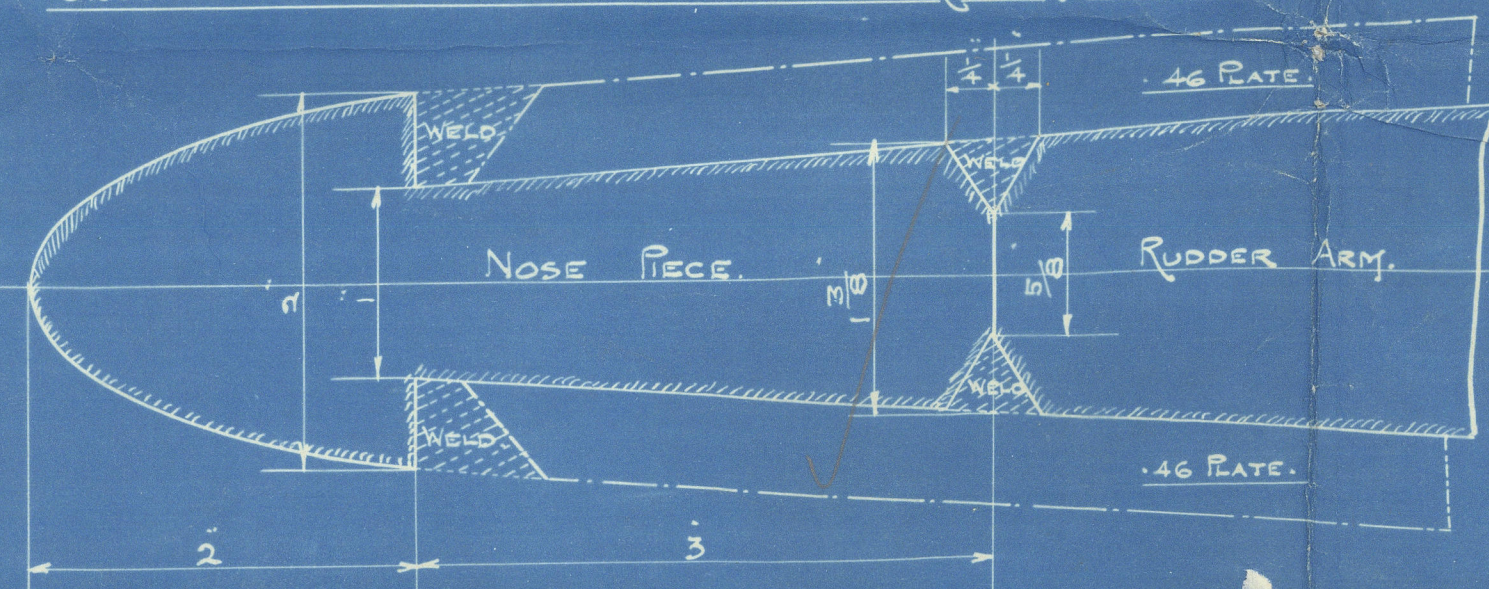
C.G. AHEAD 4' OF RUDDER POST = 3.04

NUMERAL = 399

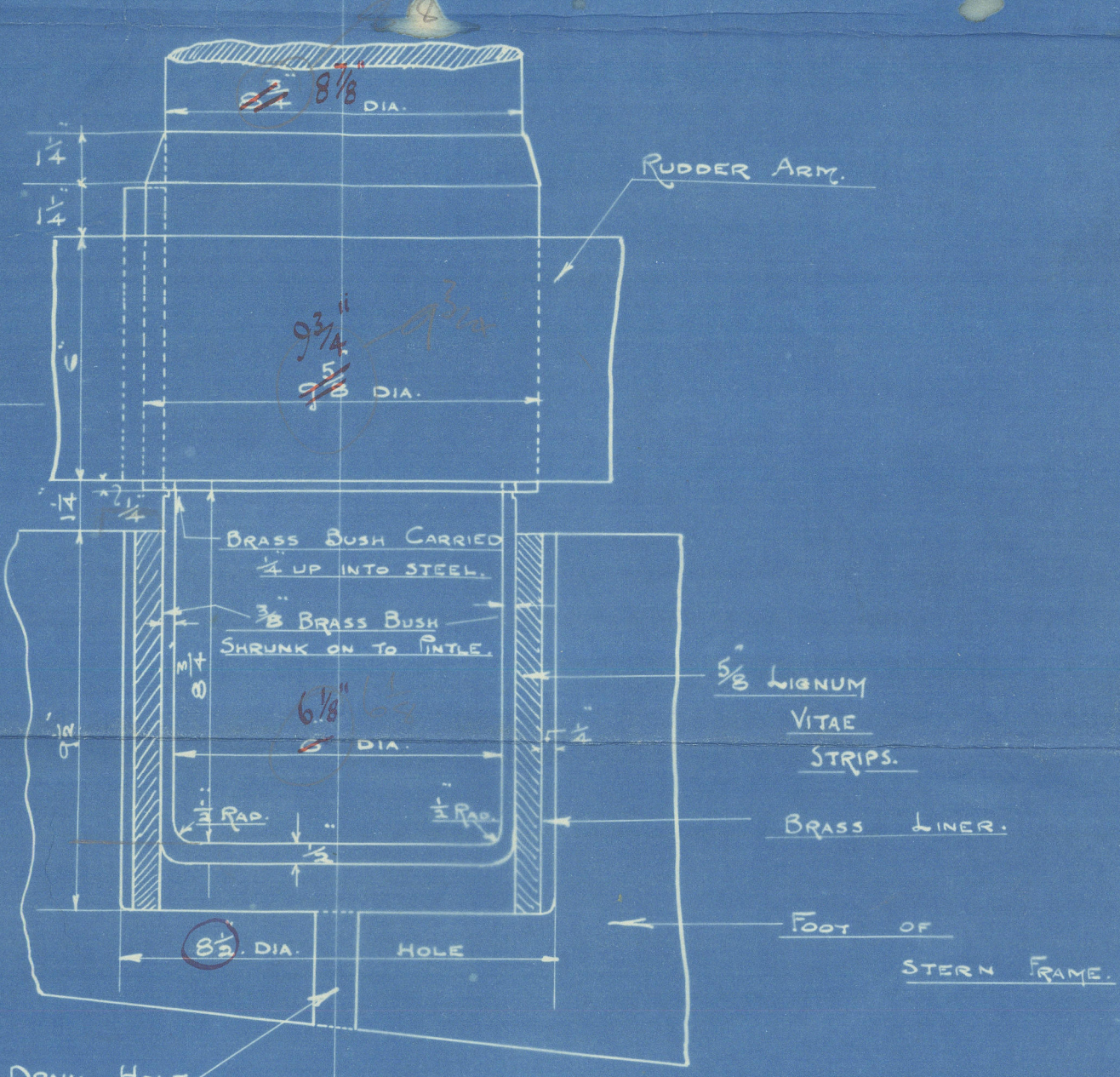
## PLAN OF ARMS.



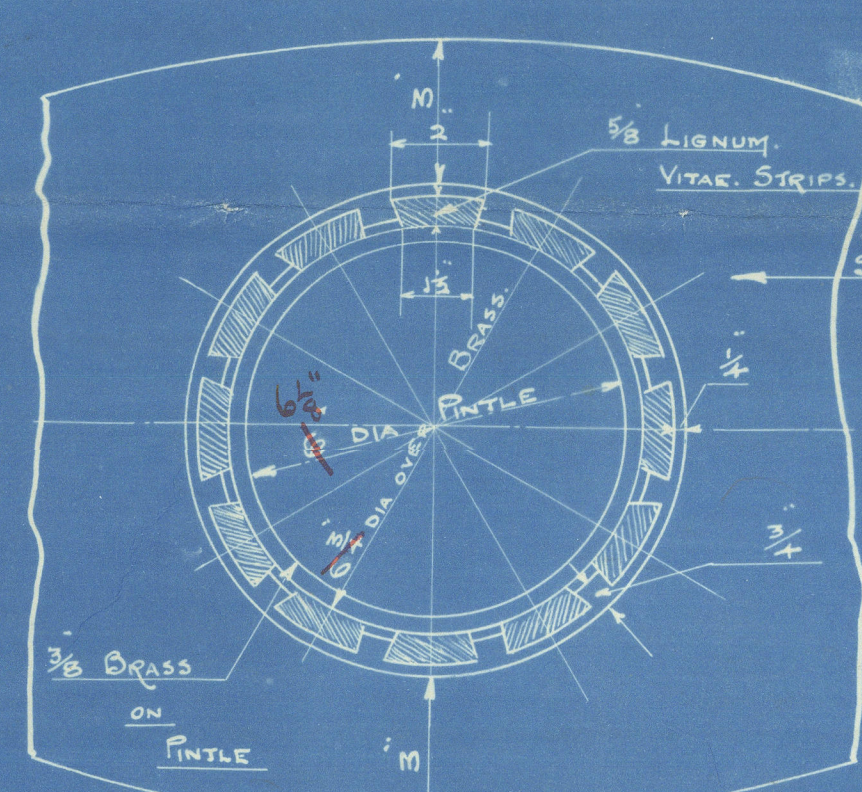
## SECTION OF NOSE PIECE - END OF RUDDER ARMS.



## SECTIONAL ELEVATION OF BOTTOM OF POST.



## PLAN VIEW



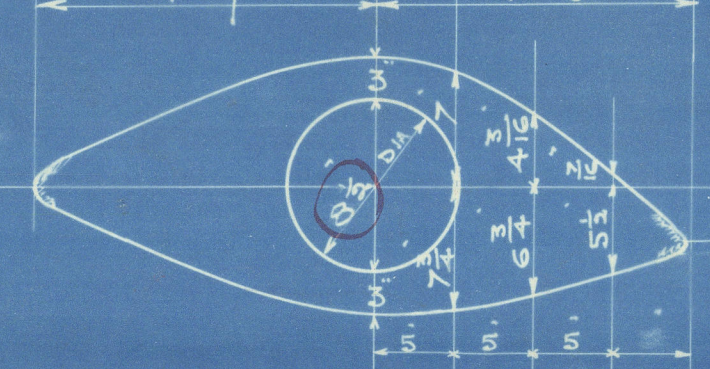
## PRINCIPAL DIMENSIONS.

LENGTH B.P.	400.0
BREADTH MOULDED	57.43
DEPTH MOULDED	31.7

## NUMERALS.

L x D	400 x 31.58	12632
L x (B + D)	400 x (57.375 + 31.58)	35580.

## PLAN OF BP OF BOTTOM SUDGSON.



S. S. No 577.

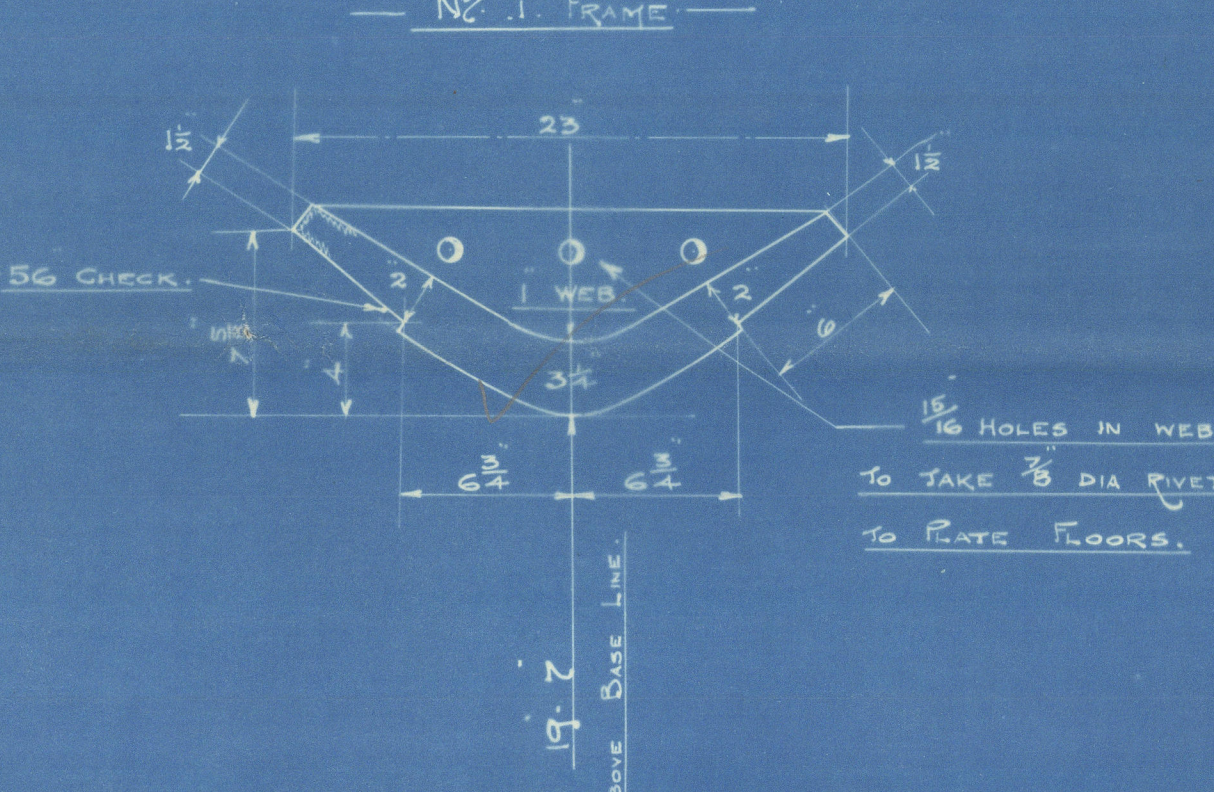
## STERN FRAME

TO LLOYDS CLASSIFICATION.

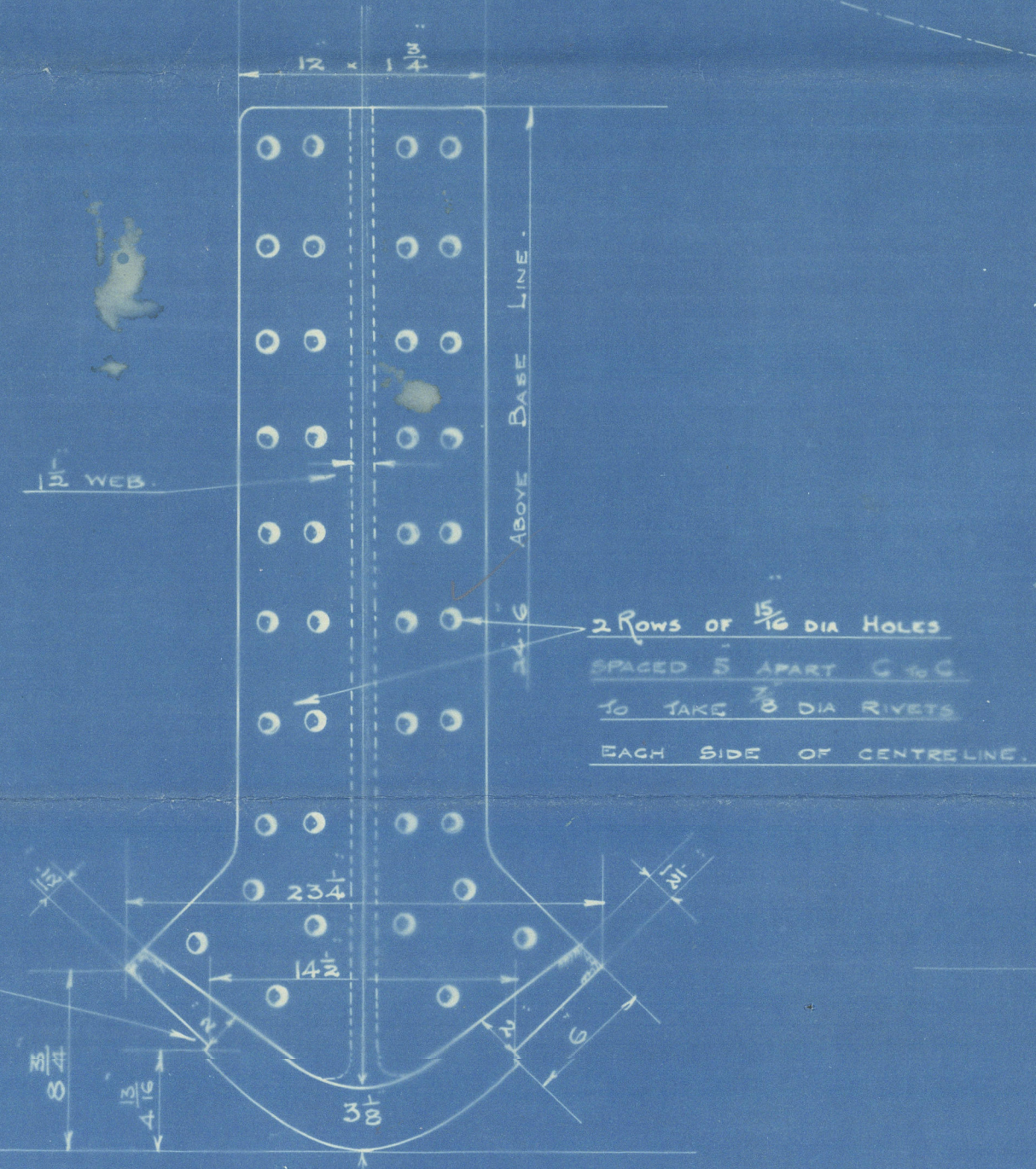
UPPER PORTION OF CAST STEEL.

LOWER FORGED.

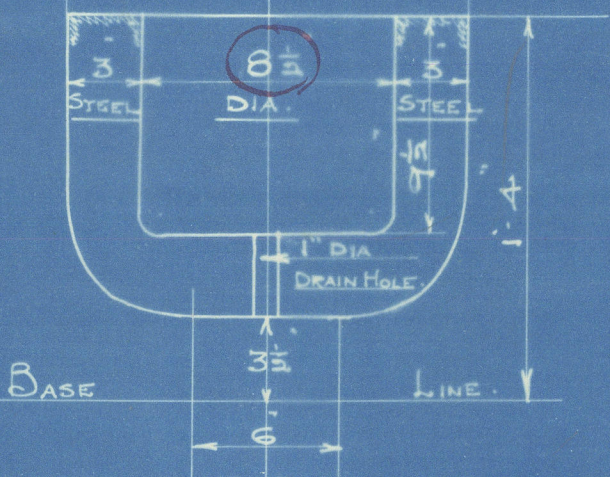
SCALE 1/4" = 1 FOOT.



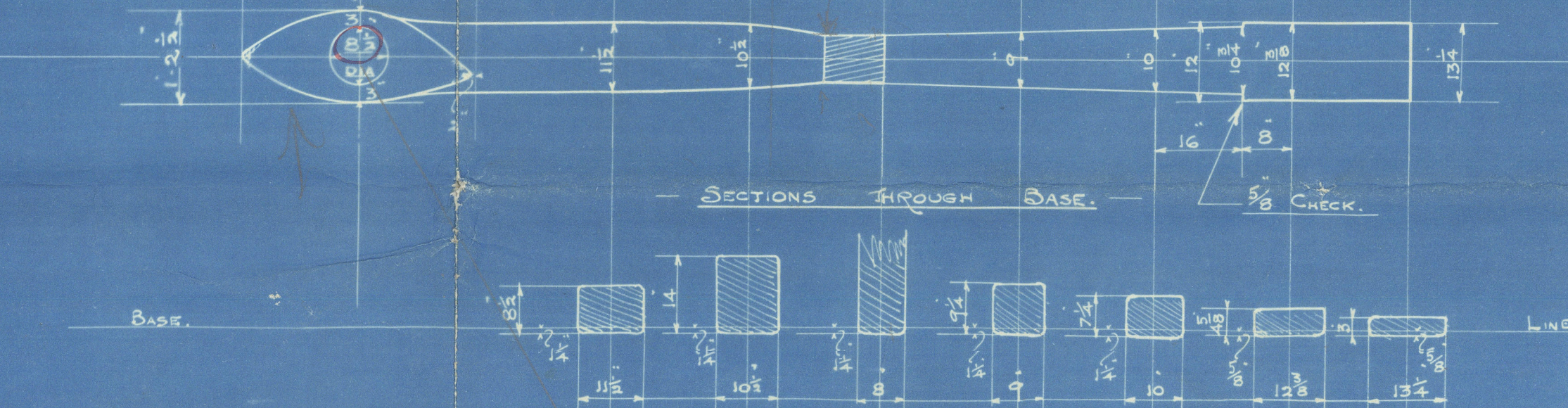
## TRANSOM FRAME



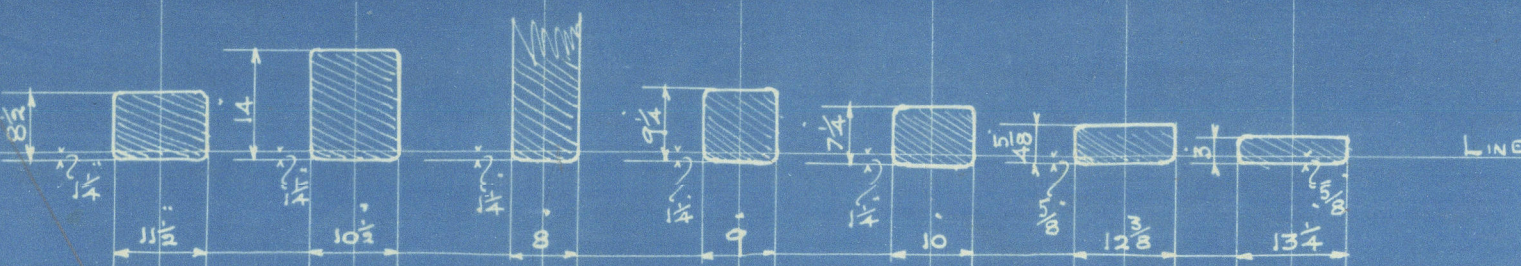
## TRANSVERSE SECTION OF SUDGSON.



## SECTION THRO BASE



## SECTIONS THROUGH BASE

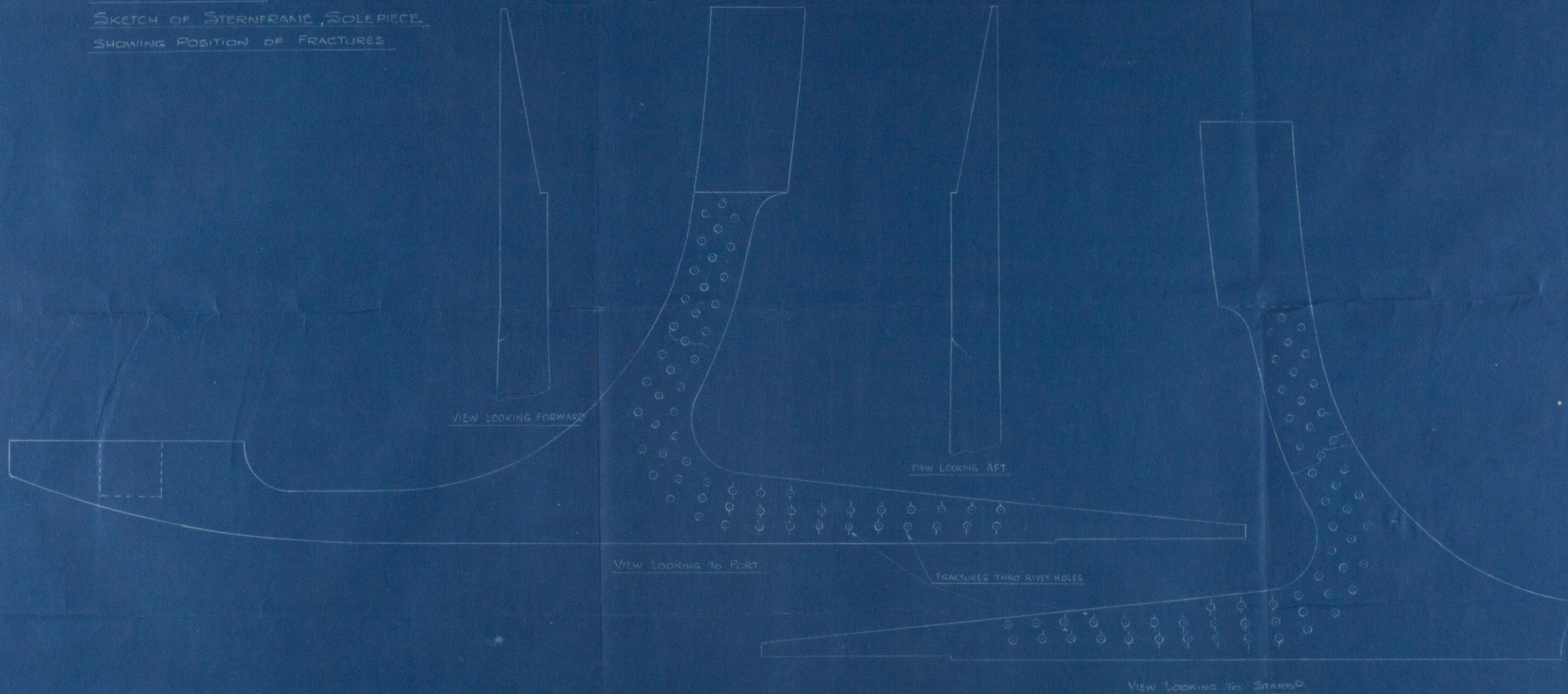


10584  
374  
2636



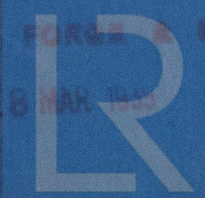
S.S. "CORABELLA"

SKETCH OF STERNFRAME, SOLEPIECE,  
SHOWING POSITION OF FRACTURES



THE SUNDERLAND FORGE & ENGINEERING CO. LTD

18 MAR 1915



Lloyd's Register  
Foundation



CORABELLA

NWC RPT 97392

SKETCH A

April 19

Fractures in Sternframe (bottom portion)



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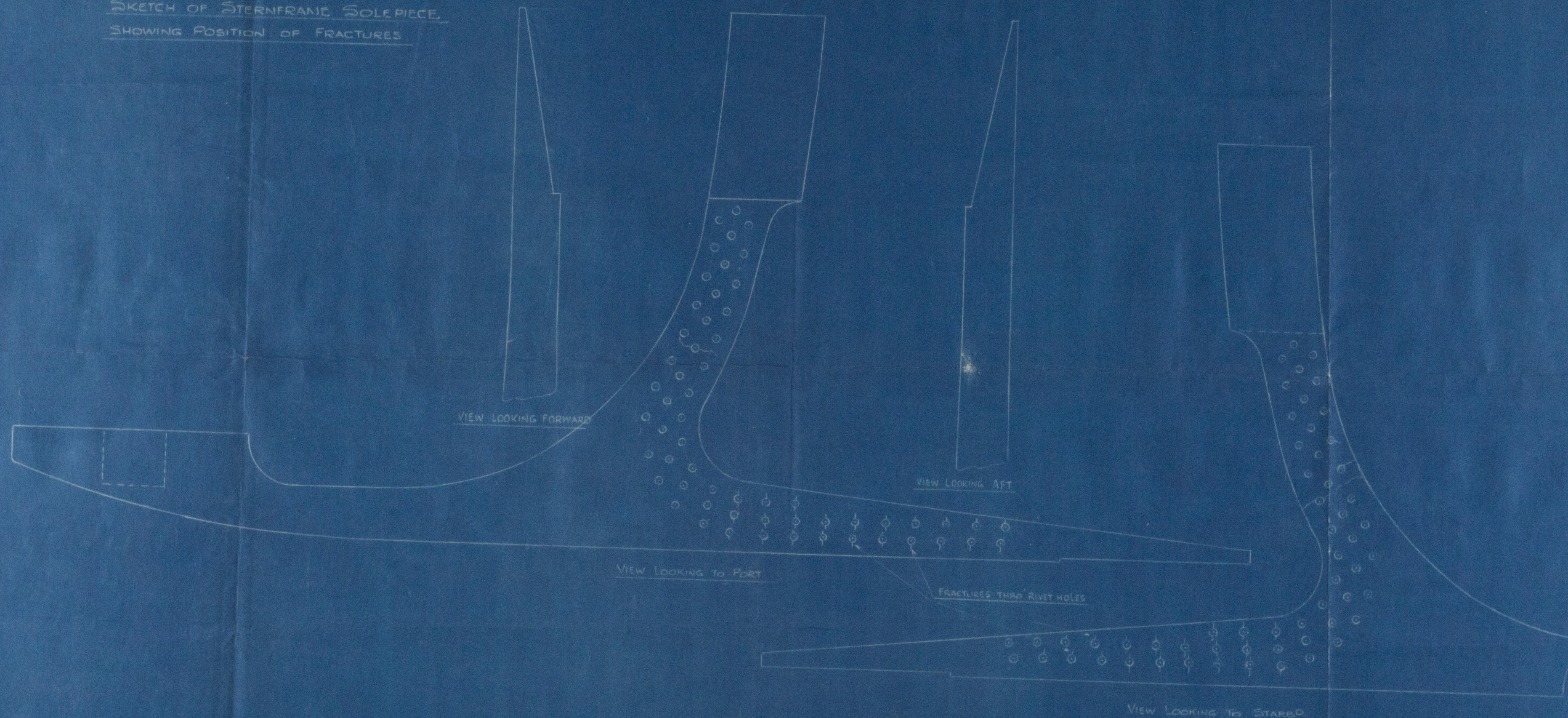
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W1168 - 0210



S.S. "CORABELLA"

SKETCH OF STERNFRAME SOLEPIECE  
SHOWING POSITION OF FRACTURES



THE LLOYD'S REGISTER OF SHIPPING OF LONDON  
15/4/19



Lloyd's Register  
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CORABELLA

NWC. RPT. 97392

SKETCH "B"

April 1939

Bottom portion of Sternframe



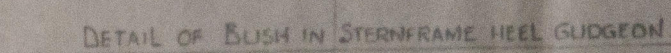
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SCALE 1" = 1 FT.

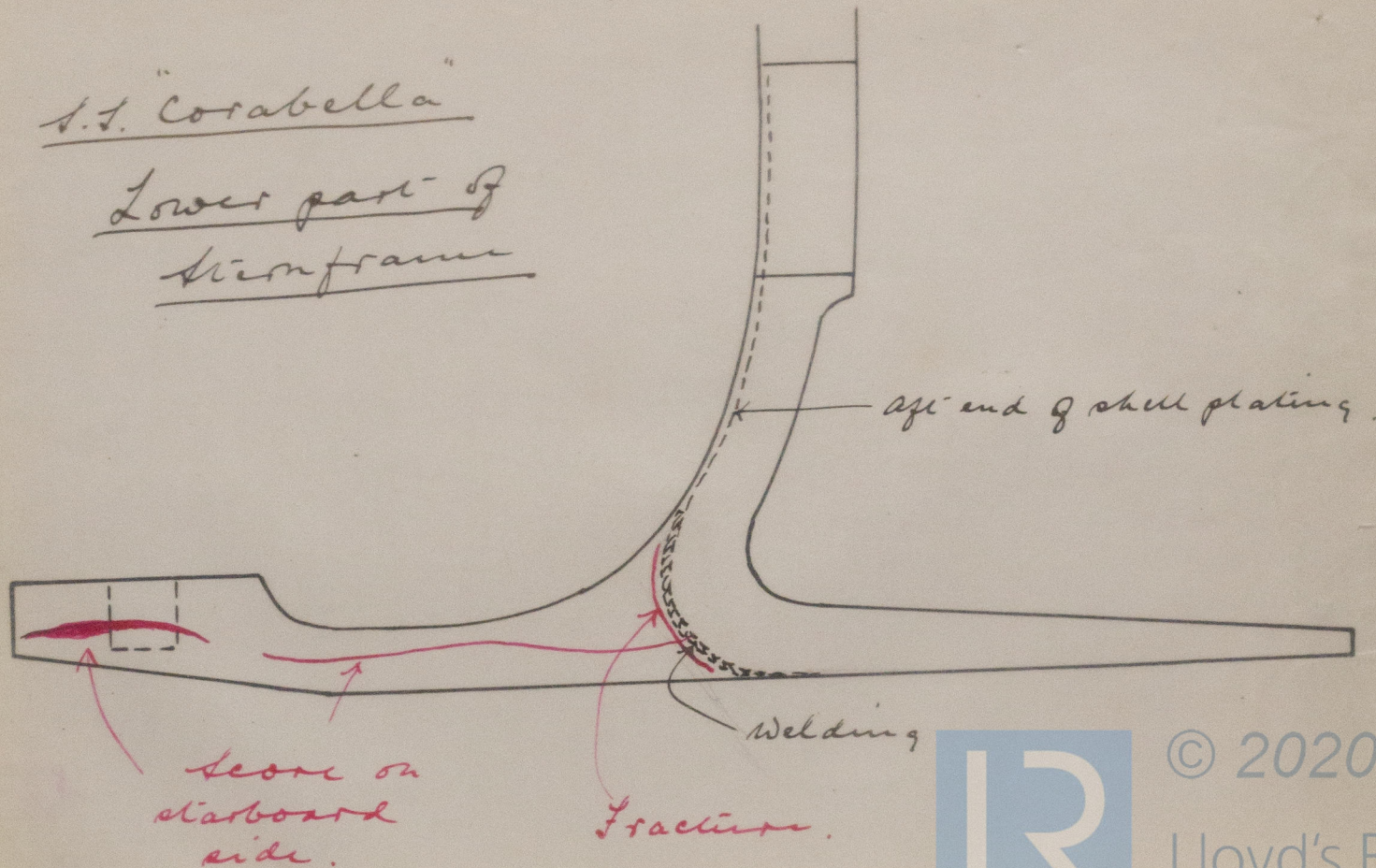




S.S. "Corabella"

Lower part of  
stern frame

1910-8911M  
W1168-0161



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CORABELLA

Nwc. Rpt. 97392

SKETCH "C"

April 1939

Gudgeon Bush & Line on Rudder Pintle



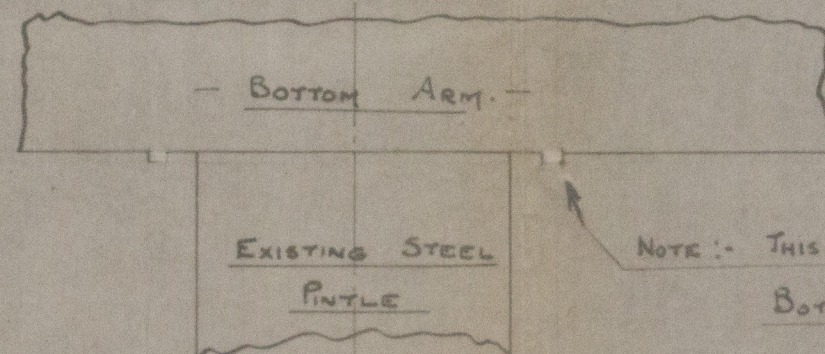
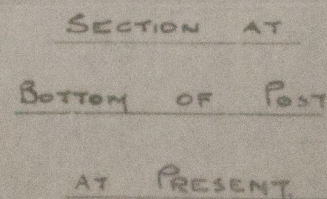
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W1168-0207



PROPOSED NEW BUSHES ON BOTTOM PINPLE,  
AND IN STERN FRAME



NOTE :- THIS PORTION TO BE CHIPPED OFF  
BOTTOM OF BOTTOM ARM TO  
ALLOW FLANGE OF NEW BUSH  
TO COME AGAINST ARM.



CORABELLA

Nwc. RPT. 97392

SKETCH "D"

April 1939

Additional Stiffening at After End



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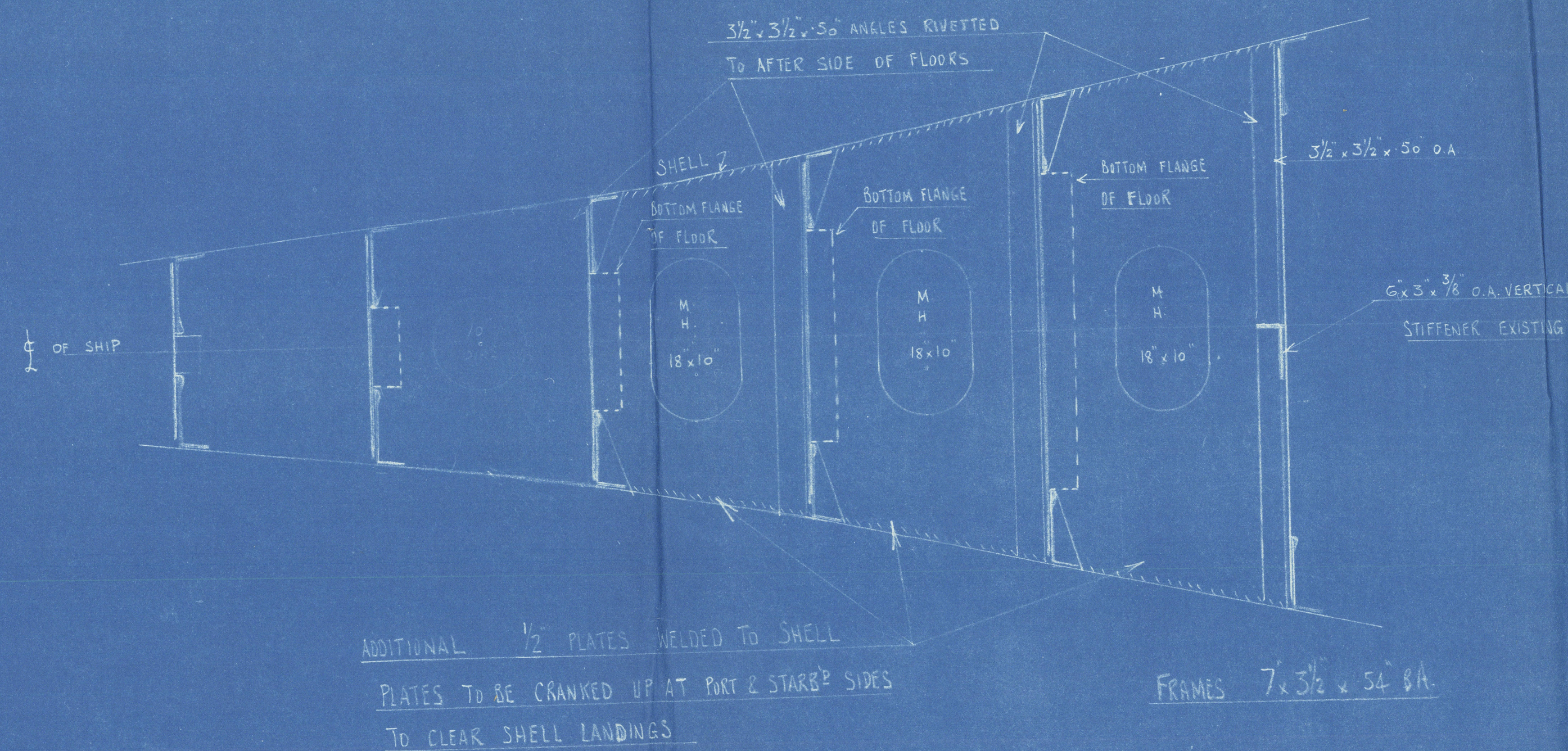
W1168 - 0203



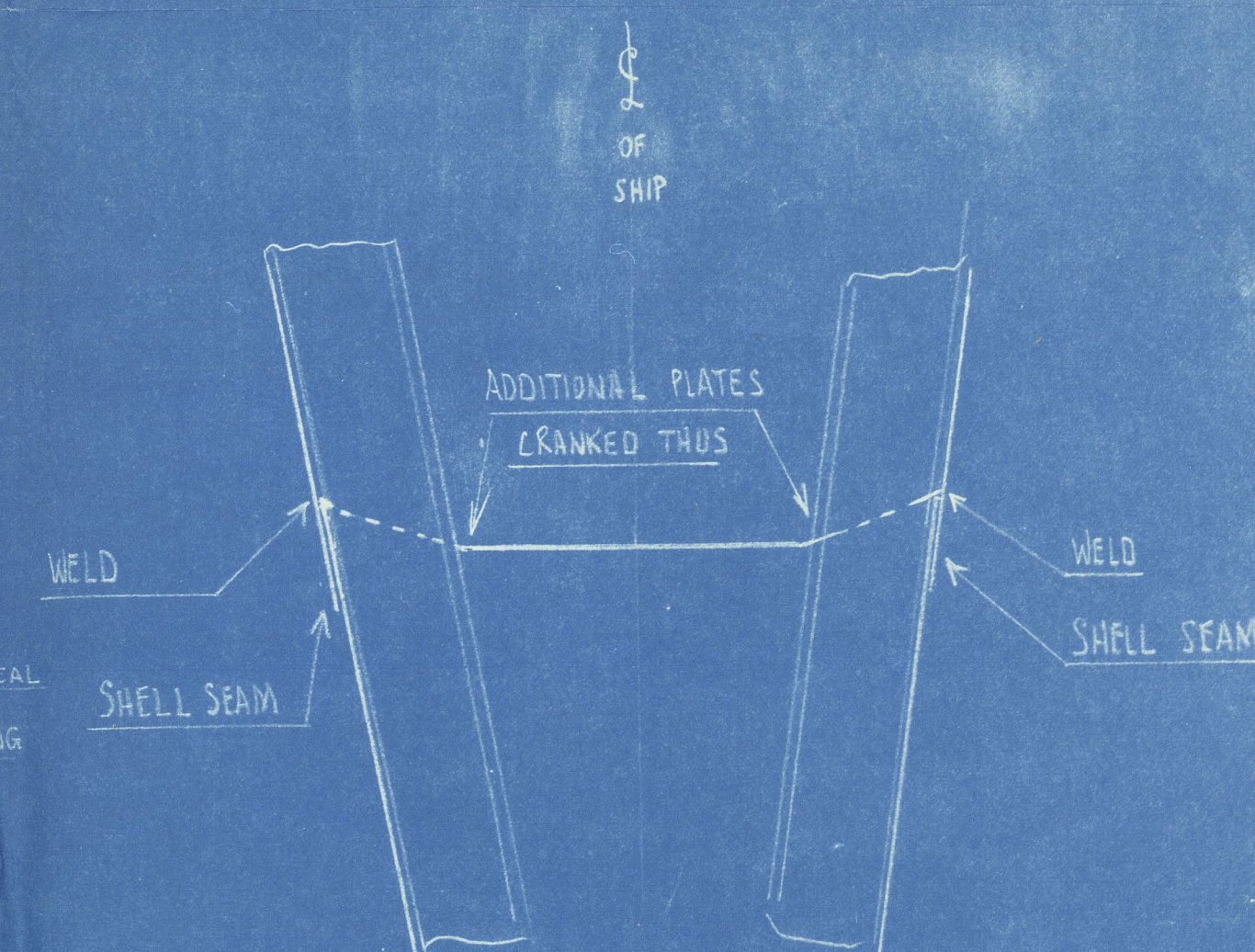
— S.S. "CORABELLA" —  
 — ADDITIONAL STIFFENING AT —  
 — AFTER END —  
 SCALE 1" = 1'-0"



— ELEVATION —  
 — LOOKING TO PORT —



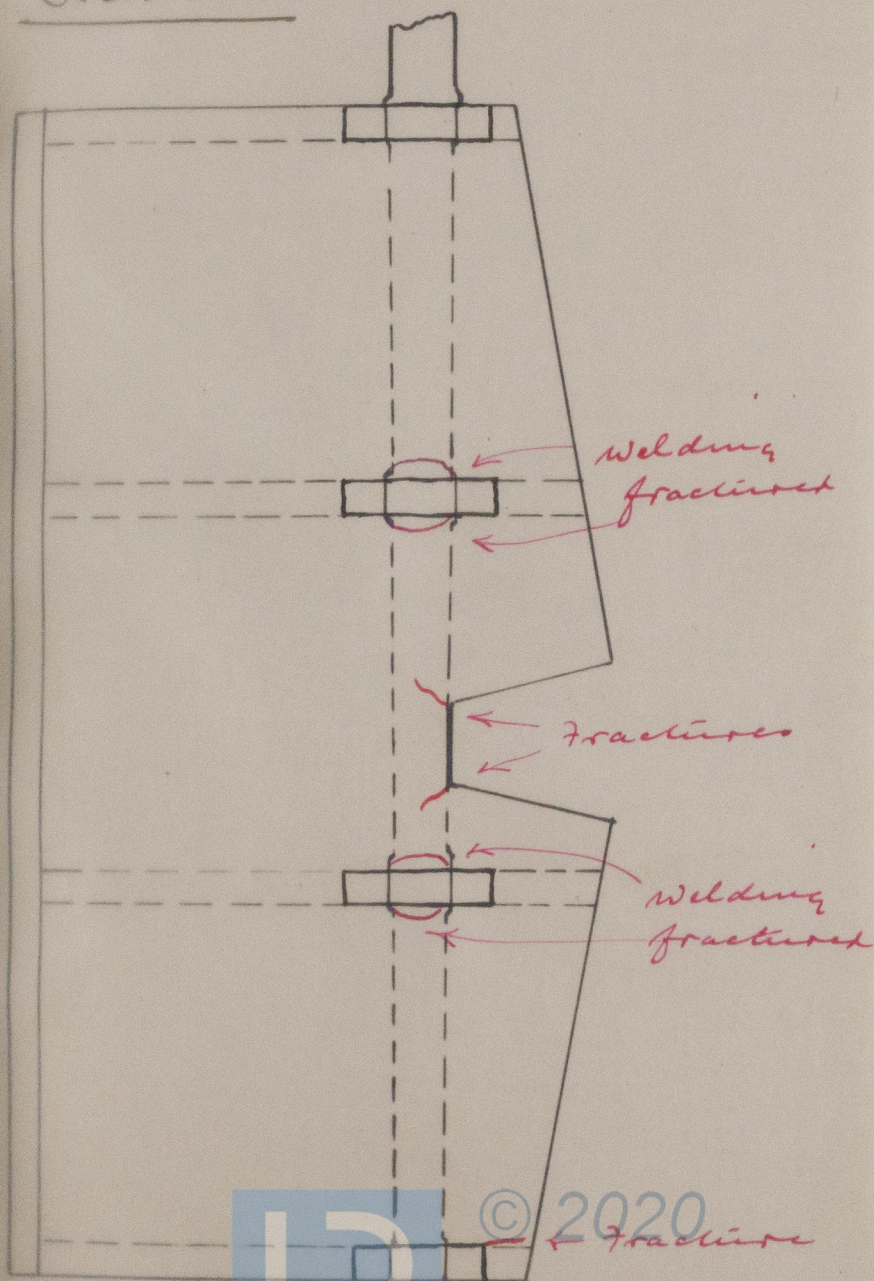
— PLAN VIEW AT LEVEL OF —  
 — TUNNEL TOP —



— SECTION —  
 — LOOKING AFT —



S.S. "Corabella"  
Rudder



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